

Common Pokeweed Control in Soybean.

02-Poke-Noncrop-Post

OBJECTIVE: Evaluate the efficacy of glyphosate common pokeweed to develop control recommendations.

SUMMARY: This study was designed to evaluate Roundup UltraMax for control of common pokeweed at several different application timings based on pokeweed height. Roundup UltraMax at 26 oz/A controlled 99% of 6 and 12 inch pokeweed at 14 days after treatment (DAT). When the Roundup UltraMax (26 oz/A) application was delayed until pokeweed were 24 or 48 inches in height, control decreased slightly but was still 91 to 94%. By 28 DAT, pokeweed control was 99% from Roundup UltraMax at 26 oz/A regardless of pokeweed height at the time of application. Roundup UltraMax at 40 oz/A controlled at least 97% of pokeweed at 14 DAT regardless of pokeweed height. Common pokeweed control was still at least 97% from all herbicide treatments at 42 DAT. Lack of rainfall following herbicide applications may have limited pokeweed regrowth.

HERBICIDES

ROUNDUP ULTRA MAX 3.7 SL

WEEDS

pokeweed, common

CROP

non-crop

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

Common Pokeweed Control in Soybean.

Project Code: 02-Poke-Noncrop-Post Location: Murphysboro, IL

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: Murphysboro IL 62966 USA
 Trial Status: Final Updated: 11-4-02

Objective:

Evaluate the efficacy of glyphosate common pokeweed to develop control recommendations.

Weed Code	Common Name	Scientific Name
1.	PHTAM pokeweed, common	Phytolacca americana L.

Crop 1: None non-crop

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 4
 Tillage Type: No-Till Study Design: Non-randomized

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	7-10-02	7-10-02	7-10-02	7-10-02
Time of Day:	8:00	8:00	8:00	8:00
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	6"W	12"W	24"W	48"W
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	None NA	None NA	None NA	None NA

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code:	PHTAM	PHTAM	PHTAM	PHTAM
Stage(leaves):	6-10	14-18	30-36	40+LV/budstg
Height(inches):	6	12	24	48

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	8002	8002	8002	8002
Boom Length, Unit:	10 FT	10 FT	10 FT	10 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA	20 GPA

NOTES:

All treatments were applied the same day.
 Poke plants ranged in size to include all target application sizes.
 This study was not harvested.

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Weed Code	PHTAM	PHTAM	PHTAM
Crop Code			
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Date	7-23-02	8-8-02	8-22-02
Trt-Eval Interval	14 DAT	28 DAT	42 DAT

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	NONTREATED						6"W	A	0	0	0
2	NONTREATED						12"W	B	0	0	0
3	NONTREATED						24"W	C	0	0	0
4	NONTREATED						48"W	D	0	0	0
5	ROUNDUP ULTRA MAX	3.7	SL	0.75 LB AE/A	26	OZ/A	6"W	A	99	99	99
5	AMS	100	DRY	2.0 % W/W	2	% W/W	6"W	A			
6	ROUNDUP ULTRA MAX	3.7	SL	0.75 LB AE/A	26	OZ/A	12"W	B	99	99	99
6	AMS	100	DRY	2.0 % W/W	2	% W/W	12"W	B			
7	ROUNDUP ULTRA MAX	3.7	SL	0.75 LB AE/A	26	OZ/A	24"W	C	94	99	99
7	AMS	100	DRY	2.0 % W/W	2	% W/W	24"W	C			
8	ROUNDUP ULTRA MAX	3.7	SL	0.75 LB AE/A	26	OZ/A	48"W	D	91	99	97
8	AMS	100	DRY	2.0 % W/W	2	% W/W	48"W	D			
9	ROUNDUP ULTRA MAX	3.7	SL	1.16 LB AE/A	40	OZ/A	6"W	A	99	99	99
9	AMS	100	DRY	2.0 % W/W	2	% W/W	6"W	A			
10	ROUNDUP ULTRA MAX	3.7	SL	1.16 LB AE/A	40	OZ/A	12"W	B	99	99	99
10	AMS	100	DRY	2.0 % W/W	2	% W/W	12"W	B			
11	ROUNDUP ULTRA MAX	3.7	SL	1.16 LB AE/A	40	OZ/A	24"W	C	98	99	99
11	AMS	100	DRY	2.0 % W/W	2	% W/W	24"W	C			
12	ROUNDUP ULTRA MAX	3.7	SL	1.16 LB AE/A	40	OZ/A	48"W	D	97	99	99
12	AMS	100	DRY	2.0 % W/W	2	% W/W	48"W	D			
LSD (P=.05)									3.1	0.2	0.6
Treatment F									1925.735	455905.000	59103.023
Treatment Prob(F)									0.0001	0.0001	0.0001

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Trial Comments

1. Protocol: ISPOB.
2. Ratings: CI and WC 14 and 28 DAT and EOS.
3. Blanket postemergence application of Select + COC at 6 oz/A + 1% v/v, if needed.
4. Each plot is one plant.
5. DAT = days after treatment.